

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent a	application of:)	I hereby certify that this correspondence is being
Edward P. P	erez) Before the Examiner) Daniel J. Davis	deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 on
Serial No. 10	0/054,270)	February 20, 2004
Filed Januar	v 22, 2002) Group Art Unit 3731	(Date of Deposit) Charles P. Schmal
) February 20, 2004	Name of Resistered Representative
	EVICE HAVING Y ACTION)	Signature February 20, 2004
		•	Date of Signature
	INFORMAT	TION DISCLOSURE STA	FEMENT
P.O. Box 145	ommissioner for Patents 50 VA 22313-1450		
Sir:			
	Pursuant to the provision	ns of 37 CFR 1.56, 1.97 and 1	.98, Applicant requests consideration
of the referen	nces listed on attached for	m PTO-1449 (PTO/SB08A&	B) and/or the additional information
identified bel	ow in paragraph 4. A leg	ible copy of each reference li	isted on form PTO-1449 is enclosed,
except:			
	a copy is not provided for e for parent application Serial		d by or submitted to the Patent Office
prese Offic	ent application has been file	ed or entered the national stagenents of 37 CFR 1.98 (a)(2)(ublication is not provided because the ge after June 30, 2003 and the Patent i) for submitting such documents in
1a.	[] This Information Di	sclosure Statement is submitte	ed:
		the filing date (or of entry in er than a continued prosecution	nto the National Stage) of the aboven application), or
	before the mailing date	of the first Office Action on th	
	and thus no certification	on and/or fee is required.	RECEIVED
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Information Disclosure Statement Serial No. 10/054,270 Group Art Unit 3731 Attorney Docket No. 7404-318 Page 1 of 3 TECHNOLOGY CENTER R3700

1b.	[] This Information Disclosure Statement is submitted after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:
	(1) [] the certification of paragraph 2 below is provided, or
	(2) [] a fee of \$ (set forth in 37 CFR §1.17(p)) is enclosed.
1c.	[X] This Information Disclosure Statement is submitted after the mailing date of a final Office Action or Notice of Allowance and prior to payment of the issue fee, and thus:
	(1) [] the certification of paragraph 2 below is provided, <u>and</u> a fee of \$ (set forth in 37 CFR §1.17(p)) is enclosed; or
	(2) [X] a Request for Continued Examination (RCE) has been filed.
2.	It is hereby certified
	a. [] that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement, or
	b. [] that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
	c. [] A copy of a dated communication from a foreign patent office which clearly shows the statement is being submitted within three (3) months of the date on the communication is enclosed.
3. []	A copy of a Search Report or Written Opinion from a foreign patent office is enclosed.
4. []	Consideration of the following additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
5.	For each non-English language reference listed on the attached form PTO-1449, reference is made to:
	a. [] an English language translation submitted herewith,
	b. [] a foreign patent office search report (in the English language) submitted herewith,
Information Disc Serial No. 10/05	closure Statement 4,270

Information Disclosure Statemen Serial No. 10/054,270 Group Art Unit 3731 Attorney Docket No. 7404-318 Page 2 of 3

c. []	an English language translation of a foreign patent office search report submitted herewith,
d. []	the concise explanation contained in the specification of the present application at page's,
e. []	the concise explanation set forth in the attached English language abstract,
f. []	a copy of a related patent publication (in the English language) submitted herewith,
g. []	the concise explanation set forth below:

The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b). It is believed that no additional fees are required. Should any other fee be required, however, please charge such fee to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully Submitted,

Charles P. Schmal, Reg. No. 45,082 Woodard, Emhardt, Moriarty, McNett &

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Substit	ute for fe	orm 1449A/PTO			С	omplete if Kn	own
"	IFOD!	MATION DICCI COL	DE	Applica	tion Number	10/054,270	
		MATION DISCLOSU MENT BY APPLICA		Filing D		1/22/2002	-
	IMIE	MILIAI DI AFPLICA	7141		amed Inventor	PEREZ, ROE	· · · · · · · · · · · · · · · · · · ·
					Art Unit	3731	
(use	e as mai	ny sheets as necessary)		Examin	er Name	Daniel J. Davis	;
Sheet	1	of 5		Attorne	y Docket Number	7404-318	
	***		U.S	. PATE	NT DOCUMENTS	4	_
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code (if known		ition Date	Name of Patentee of Cited Do		Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		4,375,815	03-	-08-1983	Burns		
		4,469,110	09-	-04-1984	Slama		
		4,627,445	12-	-09-1986	Garcia et al.		
		4,677,979	07-	-07-1987	Burns		***************************************
		4,787,398	11-	-29-1988	Garcia et al.		
		4,883,068	11-	-28-1989	Dechow		
,		4,990,154	02-	-05-1991	Brown et al.		
		5,014,718	05	-14-1991	Mitchen		
		5,029,583	07-	-09-1991	Meserol et al.		
		5,035,704	07-	-30-1991	Lambert et al.		
		5,070,886		-10-1991			
		5,163,442	11-	-17-1992	Ono		
		5,217,480			Haber et al.		
		5,231,993			Haber et al.		
		5,279,294			Anderson et al.		
		5,518,006			Mawhirt et al.		
		5,540,709		-30-1996			
		5,582,184			Erickson et al.		
		5,607,401			Humphrey		
		5,628,765		-13-1997			
		5,662,127		-01-1997			
		5,682,233	10	-28-1997	Brinda		

	
Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the emperor must precede the serial number of the patent document. 5 Kind of document by the ap0propriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO					Complete if Known			
	JEOP!	MATION DISCLOS	SIIDE	Applica	tion Number	10/054,270		
		MENT BY APPLI		Filing D	ate	1/22/2002		
`	, , , , , l L			First Na	amed Inventor	PEREZ, ROE		
					Art Unit	3731		
(use	e as mai	ny sheets as necessary)		Examin	er Name	Daniel J. Davis	S	
Sheet	2	of 5		Attorne	y Docket Number	7404-318		
			U.S.	. PATE	NT DOCUMENTS	<u> </u>		
Examiner	Cite	Document Number		tion Date	Name of Patentee of Cited Do		Pages, Columns, Lines where Relevant Passages or Relevant	
Initials*	No. ¹	Number-Kind Code (if kn	own)				Figures Appear	
		5,755,733		26-1998				
		5,798,031		25-1998				
		5,857,983			Douglas et al.			
		5,871,494		16-1999				
		5,873,887		23-1999	L			
		5,879,311		09-1999				
	ļ	5,947,957		07-1999				
		5,951,492			Douglas et al.			
		5,951,493			Douglas et al.			
		5,971,941		26-1999				
	ļ <u>.</u> .	6,027,459		22-2000				
		6,036,924		14-2000				
		6,056,701		02-2000				
		6,063,039			Cunningham et al.			
	<u> </u>	6,071,249		-06-2000				
		6,071,251		-06-2000		KEC	EIVED	
		6,071,294			Simons et al.	FFR	2 7 2004	
		6,093,156		25-2000		יבטי		
	<u> </u>	6,099,484		-08-2000		ECHNOLOG	Y CENTER R3700	
	ļ	6,120,676			Heller et al.			
		6,143,164			Heller et al.			
		6,152,889	11-	-29-2000	Sopp et al.			

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Substitute for form 1449A/PTO						Complete if Known			
"	VE O DI	MATION	l Die	CLOSUR) F	Applica	tion Number	10/054,270	
				PPLICAN		Filing Date		1/22/2002	
`	, , , , , , , , , , , , , , , , , , ,		5 1 A		••	First Na	amed Inventor	PEREZ, ROE	
l ,	(use as many sheets as necessary)						Art Unit	3731	
(us	e as mar	ny sneets a	is nece:	ssary) 		Examin	er Name	Daniel J. Davi	s
Sheet	3		of	5		Attorne	y Docket Number	7404-318	
					U.S.	PATE	NT DOCUMENTS		
Examiner Initials*	Cite No. ¹			Number le²(if known)		tion Date D-YYYY	Name of Patentee of Cited Doo		Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		6,159,42	4		12-	12-2000	Kauhaniemi et al.		
		6,183,489	9	B1	02-	06-2001	Douglas et al.		
		6,206,84	1		03-	27-2001	Cunningham et al.		
		6,270,63	7	B1	08-	07-2001	Crismore et al.		
		6,283,926	6		09-	04-2001	Cunningham et al.		
		6,306,104	4	B1	10-	23-2001	Cunningham et al.		
		6,306,15	2	-	10-	23-2001	Verdonk et al.		
		6,315,738	8	B1	11-	13-2001	Nishikawa et al.		
		6,352,514	4	B1	03-	05-2002	Douglas et al.		
		6,364,890	0	B1	04-	02-2002	Lum et al.		
		6,561,989	9		05-	13-2003	Whitson .		
		D 254,44	4		03-	11-1980	Levine		
		Re 35,80	3		05-	19-1998	Lange et al.		
		US 2001/	/003193	31 A1	10-	18-2001	Cunningham et al.		
		US 2001/	/003938	37 A1	11-	08-2001	Rutynowski et al.		
		US 2002	/000419	96 A1	01-	10-2002	Whitson		
		US 2002	/004023	30 A1	04-	04-2002	Kuhr et al.		
		US 2002	/008252	22 A1	06-	27-2002			RECEIVED
		US 2002	/013004	42 A1	09-	19-2002			FEB 2 7 2004
		US 2002	/016939	93 A1		14-2002			1 LU & 1 ZUU4
		US 2002	/017778	38 A1 .	11-	28-2002	Hodges, Alastair et	al. TECH	NOLOGY CENTER R3700
		US 2003	/008819	91 A1	05-	08-2003	Freeman et al.		

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18	IEODI	MATION	ו חופי	CLOSUF)E	Applica	tion Number	10/054,270			
				PPLICAI		Filing Date		1/22/2002			
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							Group Art Unit		3731		
(use as many sheets as necessary)					Examiner Name		Daniel J. Davis				
Sheet	4	i	of	5		Attorne	y Docket Number	7404-318			
					U.S.	PATEN	IT DOCUMENTS				
Examiner Initials*	Cite No. ¹			Number iể (if known)	BARA D	tion Date D-YYYY	Name of Patentee of Cited Do		Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
		US 2003/	019989	94 A1	10-	23-2003	Boecker et al.				
		US 2003/	019989	98 A1	10-	23-2003	Boecker et al.				
		US 2004	000910	00 A1	01-	15-2004	Simons et al.				

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Substitute for form 1449A/PTO				Complete if Known			
18		TION DIS	CI OSLIDE	Application Number	10/054,270		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/22/2002		
				First Named Inventor	PEREZ, ROE		
4				Group Art Unit	3731		
(US	e as many sr	eets as nece	ssary)	Examiner Name	Daniel J. Davis		
Sheet	5	of	5	Attorney Docket Number	7404-318	_ "	

5	Cite ₁ No.	Foreing Patent Document Country Code-Number-Kind Code-(if known)		Publication Date MM-DD-YYYY	Name of Patentee or Pages, Columns, Lines where		Τ.
Examiner Initials*					Application of Cited Document	Relevant Passages or Relevant Figures Appear	T
		EP 1 281 352	Al	02-05-2003	Yuzhakov et al.		\square
		WO 01/72220	Al	10-04-2001	USF Filtration & Se		
-		WO 02/056751	A2	07-25-2002	Perez et al.		\Box
		WO 02/078533	A2	10-10-2002	Moerman et al.		
		WO 02/100252	A2	12-19-2002	Pelikan Technologie		\Box
		WO 02/100253	A2	12-19-2002	Pelikan Technologie		\Box
		WO 02/100254	A2	12-19-2002	Pelikan Technologie		P
		WO 02/101359	A2	12-19-2002	Pelikan Technologie		
		WO 02/36010	A1	05-10-2002	Fritz et al.		P
		WO 03/088834	A1	10-30-2003	Pelikan Technologie		口
		WO 03/088851	Al	10-30-2003	Freeman et al.	,	\Box
		WO 03/094752	Al	11-20-2003	Pelikan Technologie		\Box
		WO 93/09710 ·		05-27-1993	Habley		\sqcap
		WO 93/09723	-	05-27-1993	Ramel		\Box

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